

Release Notes

FortiAnalyzer 7.0.6



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FortiAnalyzer 7.0.6 Release Notes

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TABLE OF CONTENTS

Change Log	5
FortiAnalyzer 7.0.6 Release	6
Supported models	6
FortiAnalyzer VM subscription license	6
Management extension applications	7
Supported models for MEA	7
Minimum system requirements	7
FortiRecorder	8
Supported models for FortiRecorder	8
Supported cameras	8
Special Notices	10
FortiAnalyzer 7.0.6 GUI issues in Google Chrome and Microsoft Edge	10
Device Manager GUI: quick status bar replaced with a world map of devices	10
Fortinet verified publisher docker image	10
Hyperscale firewall mode	12
Modifying the interface status with the CLI	12
Citrix XenServer default limits and upgrade	12
FortiAnalyzer VM upgrade requires more memory	13
Maximum ADOM limits for FortiAnalyzer	13
Port 8443 reserved	13
Hyper-V FortiAnalyzer-VM running on an AMD CPU	13
SSLv3 on FortiAnalyzer-VM64-AWS	13
Upgrade Information	15
Downgrading to previous firmware versions	15
Firmware image checksums	15
FortiAnalyzer VM firmware	15
SNMP MIB files	17
Product Integration and Support	18
Supported software	18
Web browsers	19
FortiOS and FortiOS Carrier	19
FortiADC	19
FortiNDR and FortiAI	20
FortiAnalyzer	20
FortiAuthenticator	20
FortiCache	20
FortiClient	20
FortiDDoS	20
FortiDeceptor	21
FortiFirewall and FortiFirewallCarrier	21
FortiMail	21
FortiManager	21
FortiNAC	21

FortiProxy	22
FortiSandbox	22
FortiSOAR	22
FortiSwitch ATCA	22
FortiWeb	22
Virtualization	22
Feature support	23
Language support	24
Supported models	24
FortiGate models	25
FortiGate special branch models	31
FortiCarrier models	37
FortiADC models	39
FortiNDR models	40
FortiAnalyzer models	40
FortiAuthenticator models	40
FortiCache models	41
FortiDDoS models	41
FortiDeceptor models	41
FortiFirewall models	41
FortiFirewallCarrier models	42
FortiMail models	42
FortiNAC models	43
FortiProxy models	43
FortiSandbox models	43
FortiSOAR models	43
FortiSwitch ATCA models	44
FortiWeb models	44
Resolved Issues	45
Log View	45
Others	45
Common Vulnerabilities and Exposures	45
Known Issues	46
Device Manager	46
FortiSOC	46
FortiView	46
Log View	47
Others	47
Reports	48
System Settings	48
Appendix A - Default and maximum number of ADOMs supported	49
Hardware models	49
Virtual Machines	50
FortiAnalyzer subscription license	50
FortiAnalyzer perpetual license	50

Change Log

Date	Change Description
2023-03-01	Initial release.
2023-03-02	Updated Resolved Issues on page 45 and Known Issues on page 46 .
2023-03-14	Updated Known Issues on page 46 .
2023-03-17	Updated support for FortiGate-601F in FortiGate special branch models on page 31 .
2023-03-23	Updated FortiOS and FortiOS Carrier on page 19 .
2023-03-27	Updated FortiGate special branch models on page 31 .
2023-04-12	Updated Special Notices on page 10 .
2023-04-17	Updated Resolved Issues on page 45 .
2023-06-01	Updated Special Notices on page 10 and Web browsers on page 19 .
2023-06-05	Updated: <ul style="list-style-type: none">• Special Notices on page 10• Web browsers on page 19• Known Issues on page 46

FortiAnalyzer 7.0.6 Release

This document provides information about FortiAnalyzer version 7.0.6 build 0372.



The recommended minimum screen resolution for the FortiAnalyzer GUI is 1920 x 1080. Please adjust the screen resolution accordingly. Otherwise, the GUI may not display properly.

This section includes the following topics:

- [Supported models on page 6](#)
- [FortiAnalyzer VM subscription license on page 6](#)
- [Management extension applications on page 7](#)
- [FortiRecorder on page 8](#)

Supported models

FortiAnalyzer version 7.0.6 supports the following models:

FortiAnalyzer	FAZ-150G, FAZ-200F, FAZ-300F, FAZ-300G, FAZ-400E, FAZ-800F, FAZ-800G, FAZ-1000F, FAZ-2000E, FAZ-3000F, FAZ-3000G, FAZ-3500E, FAZ-3500F, FAZ-3500G, FAZ-3700F, FAZ-3700G, FAZ-3900E
FortiAnalyzer VM	FAZ_DOCKER, FAZ-VM64, FAZ_VM64_ALI, FAZ-VM64-AWS, FAZ-VM64-Azure, FAZ-VM64-GCP, FAZ-VM64-HV (including Hyper-V 2016, 2019), FAZ-VM64-IBM, FAZ-VM64-KVM, FAZ-VM64-OPC, FAZ-VM64-Xen (for both Citrix and Open Source Xen)



FAZ-300F supports the subscription license for the SOC service. However performance may be impacted because FAZ-300F has fewer resources and a smaller CPU than other FortiAnalyzer models that support the SOC service.

FortiAnalyzer VM subscription license

The FortiAnalyzer VM subscription license supports FortiAnalyzer version 6.4.1 and later. For information about supported firmware, see [FortiAnalyzer VM firmware on page 15](#).

See also [Appendix A - Default and maximum number of ADOMs supported on page 49](#).



You can use the FortiAnalyzer VM subscription license with new FAZ-VM installations. For existing FAZ-VM installations, you can migrate to a FortiAnalyzer VM subscription license, starting with FortiAnalyzer 7.0.1. See the [FortiAnalyzer 7.0.1 VM License Migration Guide](#).

Management extension applications

The following section describes supported models and minimum system requirements for management extension applications (MEA) in FortiAnalyzer 7.0.6.



FortiAnalyzer uses port TCP/443 or TCP/4443 to connect to the Fortinet registry and download MEAs. Ensure that the port is also open on any upstream FortiGates. For more information about incoming and outgoing ports, see the [FortiAnalyzer 7.0 Ports Guide](#).

Supported models for MEA

You can use any of the following FortiAnalyzer models as a host for management extension applications:

FortiAnalyzer	FAZ-3000F, FAZ-3000G, FAZ-3500E, FAZ-3500F, FAZ-3500G, FAZ-3700F, FAZ-3700G, FAZ-3900E
FortiAnalyzer VM	FAZ_DOCKER, FAZ-VM64, FAZ_VM64_ALI, FAZ-VM64-AWS, FAZ-VM64-Azure, FAZ-VM64-GCP, FAZ-VM64-HV (including Hyper-V 2016, 2019), FAZ-VM64-IBM, FAZ-VM64-KVM, FAZ-VM64-OPC, FAZ-VM64-Xen (for both Citrix and Open Source Xen)

Minimum system requirements

By default FortiAnalyzer VMs use the following system resource settings:

- 4 vCPU
- 8 GB RAM
- 500 GB disk space

Starting with FortiAnalyzer 7.0.0, RAM and CPU is capped at 50% for MEAs. (Use the `config system docker` command to view the setting.) If FortiAnalyzer has 8 CPUs and 16 GB RAM, then only 4 CPUs and 8 GB RAM are available to MEAs by default, and the 4 CPUs and 8 GB RAM are used for all enabled MEAs.

Some MEAs have minimum system requirements that require you to increase system resources. The following table identifies the minimum requirements for each MEA as well as the recommended system resources to function well in a production environment.

MEA minimum system requirements apply only to the individual MEA and do not take into consideration any system requirements for resource-sensitive FortiAnalyzer features or multiple, enabled MEAs.

Management Extension Application	Minimum system requirements	Recommended system resources for production*
FortiSIEM	<ul style="list-style-type: none"> • 4 vCPU • 4 GB RAM • No change for disk storage 	<ul style="list-style-type: none"> • 12 vCPU • 16 GB RAM • 500 GB
FortiSOAR	<ul style="list-style-type: none"> • 4 vCPU • 8 GB RAM • 500 GB disk storage 	<ul style="list-style-type: none"> • 16 vCPU • 64 GB RAM • No change for disk storage

*The numbers in the *Recommended system resources for production* column are a combination of the default system resource settings for FortiAnalyzer plus the recommended system requirements for the MEA.

FortiRecorder

This section identifies what FortiAnalyzer models support the FortiRecorder module and what FortiCamera models are supported.

Supported models for FortiRecorder

Below is a list of the FortiAnalyzer appliances that support the FortiRecorder module.

Platform	Maximum number of cameras
FAZ-300F	6
FAZ-400E	12
FAZ-800F	16
FAZ-1000F	50
FAZ-2000E	40
FAZ-3000F	50
FAZ-3500G	50
FAZ-3700F	60

Supported cameras

The FortiRecorder module supports the following FortiCamera models:

- FCM-CB20
- FCM-FD20
- FCM-FD20B
- FCM-FD40

- FCM-MB40
- FCM-MD20
- FCM-MD40
- FCM-OB30

Special Notices

This section highlights some of the operational changes that administrators should be aware of in FortiAnalyzer version 7.0.6.

FortiAnalyzer 7.0.6 GUI issues in Google Chrome and Microsoft Edge

The FortiAnalyzer 7.0.6 GUI may not work properly in Google Chrome version 114 (114.0.5735.91) and Microsoft Edge version 114 (114.0.1823.37).

For information about supported web browsers, see [Web browsers on page 19](#).

Device Manager GUI: quick status bar replaced with a world map of devices

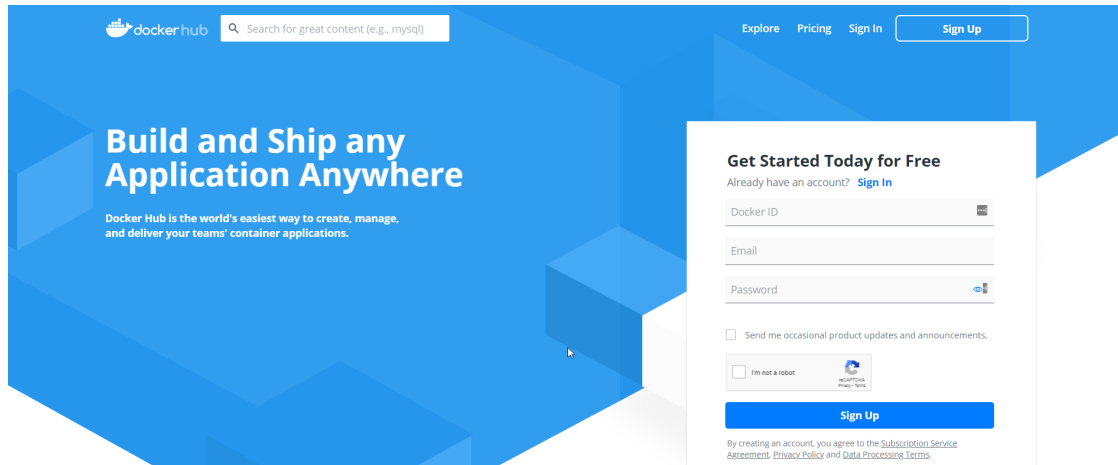
As of FortiAnalyzer v7.0.0, the quick status bar at the top of the *Device Manager* pane in the GUI has been replaced with a world map. This world map displays the locations of the registered devices. For more information about the world map in *Device Manager*, see the [FortiAnalyzer Administration Guide](#).

Fortinet verified publisher docker image

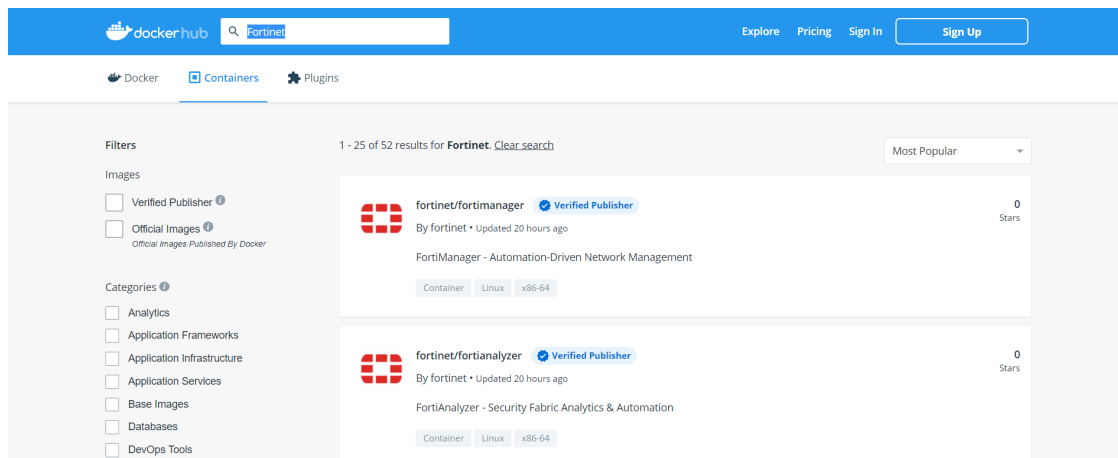
FortiAnalyzer 7.0.1 docker image is available for download from Fortinet's Verified Publisher public repository on dockerhub.

To download the FortiAnalyzer image from dockerhub:

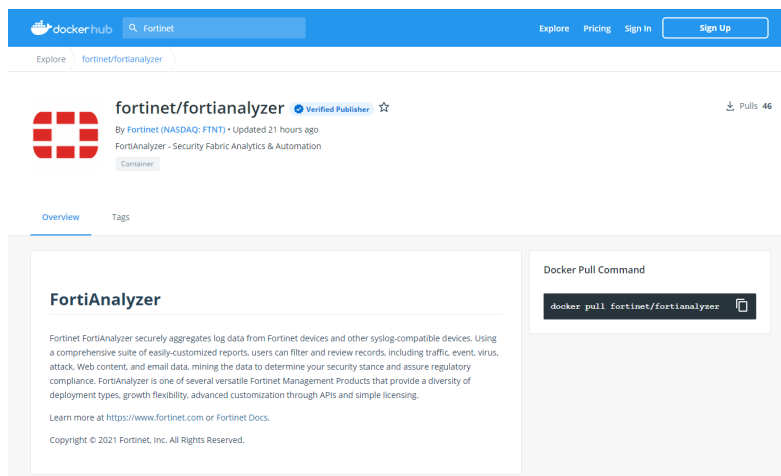
1. Go to dockerhub at <https://hub.docker.com/>.
The dockerhub home page is displayed.



2. In the banner, click *Explore*.
3. In the search box, type *Fortinet*, and press *Enter*.
The *fortinet/fortimanager* and *fortinet/fortianalyzer* options are displayed.



4. Click *fortinet/fortianalyzer*.
The *fortinet/fortianalyzer* page is displayed, and two tabs are available: *Overview* and *Tags*. The *Overview* tab is selected by default.



5. On the *Overview* tab, copy the docker pull command, and use it to download the image.
The CLI command from the *Overview* tab points to the latest available image. Use the *Tags* tab to access different versions when available.

Hyperscale firewall mode

FortiAnalyzer does not support logs from the following models when they have hyperscale firewall mode and netflow enabled:

- FortiGate-1800F
- FortiGate-1801F
- FortiGate-2600F
- FortiGate-2601F
- FortiGate-4200F
- FortiGate-4201F
- FortiGate-4400F
- FortiGate-4401F

FortiAnalyzer only supports logs when the normal firewall mode with standard FortiGate logging are enabled.

Modifying the interface status with the CLI

Starting in version 7.0.1, the CLI to modify the interface status has been changed from `up/down` to `enable/disable`.

For example:

```
config system interface
  edit port2
    set status <enable/disable>
  next
end
```

Citrix XenServer default limits and upgrade

Citrix XenServer limits ramdisk to 128M by default. However the FAZ-VM64-XEN image is larger than 128M. Before updating to FortiAnalyzer 6.4, increase the size of the ramdisk setting on Citrix XenServer.

To increase the size of the ramdisk setting:

1. On Citrix XenServer, run the following command:
`xenstore-write /mh/limits/pv-ramdisk-max-size 536,870,912`
2. Confirm the setting is in effect by running `xenstore-ls`.

`limits = ""`
`pv-kernel-max-size = "33554432"`

```
pv-ramdisk-max-size = "536,870,912"  
boot-time = ""  
-----
```

3. Remove the pending files left in `/run/xen/pygrub`.



The ramdisk setting returns to the default value after rebooting.

FortiAnalyzer VM upgrade requires more memory

When upgrading FortiAnalyzer VM units from FortiAnalyzer 6.2.x to FortiAnalyzer 6.4.0 and later, the upgrade may fail because of memory allocation.

Workaround: Before upgrading FortiAnalyzer VM to FortiAnalyzer 6.4.0 and later, change the memory allocation to 8 GB of RAM.

Maximum ADOM limits for FortiAnalyzer

FortiAnalyzer hardware devices and VMs display a warning when the maximum number of ADOMs is reached or exceeded. The platform does not enforce the limit; however, adding more ADOMs may affect the performance of the unit. For more details, see [Appendix A - Default and maximum number of ADOMs supported on page 49](#).

Port 8443 reserved

Port 8443 is reserved for https-logging from FortiClient EMS for Chromebooks. See also [FortiAnalyzer 7.0 Ports Reference](#) on the Docs Library.

Hyper-V FortiAnalyzer-VM running on an AMD CPU

A Hyper-V FAZ-VM running on a PC with an AMD CPU may experience a kernel panic. Fortinet recommends running VMs on an Intel-based PC.

SSLv3 on FortiAnalyzer-VM64-AWS

Due to known vulnerabilities in the SSLv3 protocol, FortiAnalyzer-VM64-AWS only enables TLSv1 by default. All other models enable both TLSv1 and SSLv3. If you wish to disable SSLv3 support, please run:

```
config system global
    set ssl-protocol tlsv1
end
```

Upgrade Information



Prior to upgrading your FortiAnalyzer, please review the FortiAnalyzer Upgrade Guide in detail as it includes all of the necessary steps and associated details required to upgrade your FortiAnalyzer device or VM.

See [FortiAnalyzer 7.0.6 Upgrade Guide](#).

You can upgrade to the latest FortiAnalyzer 6.4 version, and then to 7.0.6.

This section contains the following topics:

- [Downgrading to previous firmware versions on page 15](#)
- [Firmware image checksums on page 15](#)
- [FortiAnalyzer VM firmware on page 15](#)
- [SNMP MIB files on page 17](#)

Downgrading to previous firmware versions

FortiAnalyzer does not provide a full downgrade path. You can downgrade to a previous firmware release by using the GUI or CLI, but doing so results in configuration loss. A system reset is required after the firmware downgrade process has completed. To reset the system, use the following CLI commands via a console port connection:

```
execute reset {all-settings | all-except-ip}  
execute format {disk | disk-ext4 | disk-ext3}
```

Firmware image checksums

The MD5 checksums for all Fortinet software and firmware releases are available at the Customer Service & Support portal, <https://support.fortinet.com>. After logging in, go to *Download > Firmware Image Checksums*, enter the image file name including the extension, and select *Get Checksum Code*.

FortiAnalyzer VM firmware

Fortinet provides FortiAnalyzer VM firmware images for Amazon AWS, Citrix and Open Source XenServer, Linux KVM, Microsoft Hyper-V Server, and VMware ESX/ESXi virtualization environments.

Amazon Web Services

- The 64-bit Amazon Machine Image (AMI) is available on the AWS marketplace.

Citrix XenServer and Open Source XenServer

- `.out`: Download the 64-bit firmware image to upgrade your existing FortiAnalyzer VM installation.
- `.out.OpenXen.zip`: Download the 64-bit package for a new FortiAnalyzer VM installation. This package contains the QCOW2 file for the Open Source Xen Server.
- `.out.CitrixXen.zip`: Download the 64-bit package for a new FortiAnalyzer VM installation. This package contains the Citrix XenServer Virtual Appliance (XVA), Virtual Hard Disk (VHD), and OVF files.

Google Cloud Platform

- `.out`: Download the 64-bit firmware image to upgrade your existing FortiAnalyzer VM installation.
- `.out.gcp.zip`: Download the 64-bit package for a new FortiAnalyzer VM installation.

Linux KVM

- `.out`: Download the 64-bit firmware image to upgrade your existing FortiAnalyzer VM installation.
- `.out.kvm.zip`: Download the 64-bit package for a new FortiAnalyzer VM installation. This package contains QCOW2 that can be used by qemu.

Microsoft Azure

The files for Microsoft Azure have AZURE in the filenames, for example `<product>_VM64_AZURE-v<number>-build<number>-FORTINET.out.hyperv.zip`.

- `.out`: Download the firmware image to upgrade your existing FortiAnalyzer VM installation.

Microsoft Hyper-V Server

The files for Microsoft Hyper-V Server have HV in the filenames, for example, `<product>_VM64_HV-v<number>-build<number>-FORTINET.out.hyperv.zip`.

- `.out`: Download the firmware image to upgrade your existing FortiAnalyzer VM installation.
- `.hyperv.zip`: Download the package for a new FortiAnalyzer VM installation. This package contains a Virtual Hard Disk (VHD) file for Microsoft Hyper-V Server.



Microsoft Hyper-V 2016 is supported.

Oracle Private Cloud

- `.out`: Download the 64-bit firmware image to upgrade your existing FortiAnalyzer VM installation.
- `.out.opc.zip`: Download the 64-bit package for a new FortiAnalyzer VM installation.

VMware ESX/ESXi

- `.out`: Download the 64-bit firmware image to upgrade your existing VM installation.
- `.ovf.zip`: Download either the 64-bit package for a new VM installation. This package contains an Open Virtualization Format (OVF) file for VMware and two Virtual Machine Disk Format (VMDK) files used by the OVF file during deployment.



For more information, see the [FortiAnalyzer Data Sheet](#) available on the Fortinet web site. VM installation guides are available in the [Fortinet Document Library](#).

SNMP MIB files

You can download the *FORTINET-FORTIMANAGER-FORTIANALYZER.mib* MIB file in the firmware image file folder. The Fortinet Core MIB file is located in the main FortiAnalyzer version 5.00 file folder.

Product Integration and Support

This section lists FortiAnalyzer 7.0.6 support of other Fortinet products. It also identifies what FortiAnalyzer features are supported for managed platforms and what languages FortiAnalyzer supports. It also lists which Fortinet models can be managed by FortiAnalyzer.

The section contains the following topics:

- [Supported software on page 18](#)
- [Feature support on page 23](#)
- [Language support on page 24](#)
- [Supported models on page 24](#)

Supported software

FortiAnalyzer 7.0.6 supports the following software:

- [Web browsers on page 19](#)
- [FortiOS and FortiOS Carrier on page 19](#)
- [FortiADC on page 19](#)
- [FortiNDR and FortiAI on page 20](#)
- [FortiAnalyzer on page 20](#)
- [FortiAuthenticator on page 20](#)
- [FortiCache on page 20](#)
- [FortiClient on page 20](#)
- [FortiDDoS on page 20](#)
- [FortiDeceptor on page 21](#)
- [FortiFirewall and FortiFirewallCarrier on page 21](#)
- [FortiMail on page 21](#)
- [FortiManager on page 21](#)
- [FortiNAC on page 21](#)
- [FortiProxy on page 22](#)
- [FortiSandbox on page 22](#)
- [FortiSOAR on page 22](#)
- [FortiSwitch ATCA on page 22](#)
- [FortiWeb on page 22](#)
- [Virtualization on page 22](#)



To confirm that a device model or firmware version is supported by the current firmware version running on FortiAnalyzer, run the following CLI command:

```
diagnose dvm supported-platforms list
```



Always review the Release Notes of the supported platform firmware version before upgrading your device.

Web browsers

FortiAnalyzer 7.0.6 supports the following web browsers:

- Microsoft Edge 102 (102.0.1245.33 or later)
- Mozilla Firefox version 101
- Google Chrome version 113



Please note the GUI may not work properly in Google Chrome version 114 (114.0.5735.91) and Microsoft Edge version 114 (114.0.1823.37).

Other web browsers may function correctly, but are not supported by Fortinet.

FortiOS and FortiOS Carrier



The *FortiAnalyzer Release Notes* communicate support for FortiOS versions that are available at the time of the FortiAnalyzer 7.0.6 release. For additional information about other supported FortiOS versions, please refer to the FortiAnalyzer compatibility chart in the [Fortinet Document Library](#).

See [FortiAnalyzer compatibility with FortiOS](#).

FortiAnalyzer 7.0.6 supports the following versions of FortiOS and FortiOS Carrier:

- 7.0.0 to 7.0.11
- 6.4.0 to 6.4.12
- 6.2.0 to 6.2.14
- 6.0.0 to 6.0.16
- 5.6.0 to 5.6.14
- 5.4.0 to 5.4.13

FortiADC

FortiAnalyzer 7.0.6 supports the following versions of FortiADC:

- 7.0.0 and later
- 6.2.0 and later
- 6.1.0 and later

FortiNDR and FortiAI

FortiAnalyzer 7.0.6 supports the following versions of FortiNDR/FortiAI:

- 1.5.0 and later

FortiAnalyzer

FortiAnalyzer 7.0.6 supports the following versions of FortiAnalyzer:

- 7.0.0 and later
- 6.4.0 and later
- 6.2.0 and later

FortiAuthenticator

FortiAnalyzer 7.0.6 supports the following versions of FortiAuthenticator:

- 6.4.0 and later
- 6.3.0 and later
- 6.2.0 and later

FortiCache

FortiAnalyzer 7.0.6 supports the following versions of FortiCache:

- 4.2.0 and later
- 4.1.0 and later
- 4.0.0 and later

FortiClient

FortiAnalyzer 7.0.6 supports the following versions of FortiClient:

- 7.0.0 and later
- 6.4.0 and later
- 6.2.1 and later

When using FortiClient with FortiAnalyzer, it is recommended to upgrade both to their latest versions. The versions between the two products should match. For example, if using FortiAnalyzer 7.0.5, use FortiClient 7.0.5.

FortiDDoS

FortiAnalyzer 7.0.6 supports the following versions of FortiDDoS:

- 6.3.0 and later
- 6.2.0 and later

- 6.1.0 and later

Limited support. For more information, see [Feature support on page 23](#).

FortiDeceptor

FortiAnalyzer 7.0.6 supports the following versions of FortiDeceptor:

- 4.1 and later
- 4.0 and later
- 3.3 and later

FortiFirewall and FortiFirewallCarrier

FortiAnalyzer 7.0.6 supports the following versions of FortiFirewall and FortiFirewallCarrier:

- 7.0.0 and later
- 6.4.0 and later
- 6.2.0 and later
- 6.0.0 and later

FortiMail

FortiAnalyzer 7.0.6 supports the following versions of FortiMail:

- 7.0.0 and later
- 6.4.0 and later
- 6.2.0 and later

FortiManager

FortiAnalyzer 7.0.6 supports the following versions of FortiManager:

- 7.0.0 and later
- 6.4.0 and later
- 6.2.0 and later

FortiNAC

FortiAnalyzer 7.0.6 supports the following versions of FortiNAC:

- 9.2.0 and later
- 9.1.0 and later
- 8.8.0 and later

FortiProxy

FortiAnalyzer 7.0.6 supports the following versions of FortiProxy:

- 7.0.0 to 7.0.7
- 2.0.0 to 2.0.5
- 1.2.0 to 1.2.13
- 1.1.0 to 1.1.6
- 1.0.0 to 1.0.7

FortiSandbox

FortiAnalyzer 7.0.6 supports the following versions of FortiSandbox:

- 4.2.0 and later
- 4.0.0 and later
- 3.2.0 and later
- 3.1.0 and later

FortiSOAR

FortiAnalyzer 7.0.6 supports the following versions of FortiSOAR:

- 7.0.0 and later
- 6.4.0 and later
- 6.0.0 and later

FortiSwitch ATCA

FortiAnalyzer 7.0.6 supports the following versions of FortiSwitch ATCA:

- 5.2.0 and later
- 5.0.0 and later
- 4.3.0 and later

FortiWeb

FortiAnalyzer 7.0.6 supports the following versions of FortiWeb:

- 7.0.0 and later
- 6.4.0 and later
- 6.3.0 and later

Virtualization

FortiAnalyzer 7.0.6 supports the following virtualization software:

- Amazon Web Service AMI, Amazon EC2, Amazon EBS
- Citrix XenServer 7.2
- Google Cloud Platform
- Linux KVM Redhat 7.1
- Microsoft Azure
- Microsoft Hyper-V Server 2012, 2016, and 2019
- Nutanix AHV (AOS 5.10.5)
- OpenSource XenServer 4.2.5
- Oracle Private Cloud
- VMware ESXi versions 6.5 and later

Feature support

The following table lists FortiAnalyzer feature support for log devices.

Platform	Log View	FortiView	Event Management	Reports
FortiGate	✓	✓	✓	✓
FortiCarrier	✓	✓	✓	✓
FortiADC	✓		✓	
FortiAI	✓	✓	✓	✓
FortiAnalyzer	✓		✓	
FortiAuthenticator	✓			
FortiCache	✓		✓	✓
FortiClient registered to FortiGate	✓	✓		✓
FortiClient registered to FortiClient EMS	✓	✓		✓
FortiDDoS	✓	✓	✓	✓
FortiDeceptor	✓			
FortiFirewall	✓	✓	✓	✓
FortiMail	✓		✓	✓
FortiManager	✓		✓	
FortiNAC	✓			
FortiProxy	✓		✓	✓
FortiSandbox	✓		✓	✓

Platform	Log View	FortiView	Event Management	Reports
FortiSOAR	✓		✓	✓
FortiWeb	✓		✓	✓
Syslog	✓		✓	✓

Language support

The following table lists FortiAnalyzer language support information.

Language	GUI	Reports
English	✓	✓
Chinese (Simplified)	✓	✓
Chinese (Traditional)	✓	✓
French		✓
Hebrew		✓
Hungarian		✓
Japanese	✓	✓
Korean	✓	✓
Portuguese		✓
Russian		✓
Spanish		✓

To change the FortiAnalyzer language setting, go to *System Settings > Admin > Admin Settings*, in *Administrative Settings > Language* select the desired language on the drop-down menu. The default value is *Auto Detect*.

Russian, Hebrew, and Hungarian are not included in the default report languages. You can create your own language translation files for these languages by exporting a predefined language from FortiAnalyzer, modifying the text to a different language, saving the file as a different language name, and then importing the file into FortiAnalyzer. For more information, see the *FortiAnalyzer Administration Guide*.

Supported models

The following tables list which FortiGate, FortiCarrier, FortiDDoS, FortiAnalyzer, FortiMail, FortiSandbox, FortiSwitch ATCA, FortiWeb, FortiCache, FortiProxy, and FortiAuthenticator models and firmware versions that can be managed by a FortiManager or send logs to a FortiManager running version 7.0.6.



Software license activated LENC devices are supported, if their platforms are in the supported models list. For example, support of FG-3200D indicates support of FG-3200D-LENC.

This section contains the following topics:

- [FortiGate models on page 25](#)
- [FortiGate special branch models on page 31](#)
- [FortiCarrier models on page 37](#)
- [FortiADC models on page 39](#)
- [FortiNDR models on page 40](#)
- [FortiAnalyzer models on page 40](#)
- [FortiAuthenticator models on page 40](#)
- [FortiCache models on page 41](#)
- [FortiDDoS models on page 41](#)
- [FortiDeceptor models on page 41](#)
- [FortiFirewall models on page 41](#)
- [FortiFirewallCarrier models on page 42](#)
- [FortiMail models on page 42](#)
- [FortiNAC models on page 43](#)
- [FortiProxy models on page 43](#)
- [FortiSandbox models on page 43](#)
- [FortiSOAR models on page 43](#)
- [FortiSwitch ATCA models on page 44](#)
- [FortiWeb models on page 44](#)

FortiGate models

The following FortiGate models are released with FortiOS firmware. For information about supported FortiGate models on special branch releases of FortiOS firmware, see [FortiGate special branch models on page 31](#).

Model	Firmware Version
FortiGate: FortiGate-40F, FortiGate-40F-3G4G, FortiGate-60E, FortiGate-60E-DSL, FortiGate-60EDSLJ, FortiGate-60E-POE, FortiGate-60F, FortiGate-61E, FortiGate-61F, FortiGate-80E, FortiGate80E-POE, FortiGate-80F, FortiGate-80F-Bypass, FortiGate-80F-POE, FortiGate-81E, FortiGate-81E-POE, FortiGate-81F, FortiGate-81F-POE, FortiGate-90E, FortiGate-91E, FortiGate-100E, FortiGate-100EF, FortiGate-100F, FortiGate-101E, FortiGate-101F, FortiGate-140E, FortiGate-140E-POE, FortiGate-200E, FortiGate-200F, FortiGate-201E, FortiGate-201F, FortiGate-300D, FortiGate-300E, FortiGate301E, FortiGate-400D, FortiGate-400E, FortiGate-400E-Bypass, FortiGate-401E, FortiGate-500D, FortiGate-500E, FortiGate-501E, FortiGate-600D, FortiGate600E, FortiGate-601E, FortiGate-800D, FortiGate-900D, FortiGate-1000D, FortiGate-1100E, FortiGate-1101E, FortiGate-1200D, FortiGate-1500D, FortiGate-1500DT, FortiGate-1800F, FortiGate-1801F, FortiGate-2000E, FortiGate-2200E, FortiGate2201E, FortiGate-2500E, FortiGate-2600F, FortiGate-2601F, FortiGate-3000D, FortiGate-3100D, FortiGate-3200D, FortiGate-3300E, FortiGate-3301E, FortiGate-3400E, FortiGate-3401E, FortiGate-3500F, FortiGate-3501F, FortiGate-3600E, FortiGate-3601E, FortiGate-3700D, FortiGate-3800D, FortiGate-3810D, FortiGate-3815D, FortiGate3960E, FortiGate-3980E, FortiGate-4200F, FortiGate-4201F, FortiGate-4400F, FortiGate-4401F	7.0
FortiGate 5000 Series: FortiGate-5001D, FortiGate-5001E, FortiGate-5001E1	
FortiGate DC: FortiGate-401E-DC, FortiGate-800D-DC, FortiGate-1100E-DC, FortiGate-1500D-DC, FortiGate-1800F-DC, FortiGate-1801F-DC, FortiGate-2201E-ACDC, FortiGate-2600F-DC, FortiGate-2601F-DC, FortiGate-3000D-DC, FortiGate-3100D-DC, FortiGate-3200D-DC, FortiGate-3400E-DC, FortiGate3401E-DC, FortiGate-3600E-DC, FortiGate-3700D-DC, FortiGate-3800D-DC, FortiGate-3810D-DC, FortiGate-3815D-DC, FortiGate-3960E-DC, FortiGate-3980E-DC, FortiGate-4200F-DC, FortiGate-4201F-DC, FortiGate-4400F-DC, FortiGate-4401F-DC	
FortiGate ACDC: FortiGate-2201E-ACDC, FortiGate-3960E-ACDC	
FortiWiFi: FortiWiFi-40F, FortiWiFi-40F-3G4G, FortiWiFi-60E, FortiWiFi-60E-DSL, FortiWiFi-60E-DSLJ, FortiWiFi-60F, FortiWiFi-61E, FortiWiFi-61F, FortiWiFi-80F-2R, FortiWiFi-81F-2R, FortiWiFi-81F-2R-3G4G-POE, FortiWiFi-81F-2R-POE	
FortiGate VM: FortiGate-VM64, FortiGate-VM64-ALI, FortiGate-VM64-AWS, FortiGate-VM64-Azure, FortiGate-VM64-GCP, FortiGate-VM64-HV, FortiGate-VM64-IBM, FortiGate-VM64-KVM, FortiGate-VM64-OPC, FortiGate-VM64-RAXONDEMAND, FortiGateVM64-Xen, FortiGate-VMX, FortiGate-VMX-Service-Manager, FortiGate-ARM64-AWS, FortiGate-ARM64-KVM, FortiGate-ARM64-OCI,	
FortiOS VM: FortiOS-VM64, FortiOS-VM64-HV, FortiOS-VM64-KVM, FortiOS-VM64-Xen	
FortiGateRugged: FortiGateRugged-60F, FortiGateRugged-60F-3G4G	

Model	Firmware Version
FortiGate: FortiGate-40F, FortiGate-40F-3G4G, FortiGate-60E, FortiGate-60E-DSL, FortiGate-60E-DSLJ, FortiGate-60E-POE, FortiGate-60F, FortiGate-61E, FortiGate-61F, FortiGate-80E, FortiGate-80E-POE, FortiGate-80F, FortiGate-80F-Bypass, FortiGate-81E, FortiGate-80F-POE, FortiGate-81E-POE, FortiGate-81F, FortiGate-81F-POE, FortiGate-90E, FortiGate-91E, FortiGate-100D, FortiGate-100E, FortiGate-100EF, FortiGate-100F, FortiGate-101E, FortiGate-101F, FortiGate-140E, FortiGate-140E-POE, FortiGate-200E, FortiGate-200F, FortiGate-201E, FortiGate-201F, FortiGate-300D, FortiGate-300E, FortiGate-301E, FortiGate-400D, FortiGate-400E, FortiGate-400E-Bypass, FortiGate-401E, FortiGate-500D, FortiGate-500E, FortiGate-501E, FortiGate-600D, FortiGate-600E, FortiGate-601E, FortiGate-800D, FortiGate-900D, FortiGate-1000D, FortiGate-1100E, FortiGate-1101E, FortiGate-1200D, FortiGate-1500D, FortiGate-1500DT, FortiGate-1800F, FortiGate-1801F, FortiGate-2000E, FortiGate-2200E, FortiGate-2201E, FortiGate-2500E, FortiGate-2600F, FortiGate-2601F, FortiGate-3000D, FortiGate-3100D, FortiGate-3200D, FortiGate-3300E, FortiGate-3301E, FortiGate-3400E, FortiGate-3401E, FortiGate-3600E, FortiGate-3601E, FortiGate-3700D, FortiGate-3800D, FortiGate-3810D, FortiGate-3815D, FortiGate-3960E, FortiGate-3980E, FortiGate-4200F, FortiGate-4201F, FortiGate-4400F, FortiGate-4401F	6.4
FortiGate 5000 Series: FortiGate-5001D, FortiGate-5001E, FortiGate-5001E1	
FortiGate DC: FortiGate-401E-DC, FortiGate-800D-DC, FortiGate-1100E-DC, FortiGate-1500D-DC, FortiGate-1800F-DC, FortiGate-1801F-DC, FortiGate-2600F-DC, FortiGate-2601F-DC, FortiGate-3000D-DC, FortiGate-3100D-DC, FortiGate-3200D-DC, FortiGate-3400E-DC, FortiGate-3401E-DC, FortiGate-3600E-DC, FortiGate-3700D-DC, FortiGate-3800D-DC, FortiGate-3810D-DC, FortiGate-3815D-DC, FortiGate-3960E-DC, FortiGate-3980E-DC, FortiGate-4200F-DC, FortiGate-4201F-DC, FortiGate-4400F-DC, FortiGate-4401F-DC	
FortiGate ACDC: FortiGate-2201E-ACDC, FortiGate-3960E-ACDC	
FortiGate Hardware Low Encryption: FortiGate-100D-LENC	
FortiWiFi: FortiWiFi-40F, FortiWiFi-40F-3G4G, FortiWiFi-60E, FortiWiFi-60E-DSL, FortiWiFi-60E-DSLJ, FortiWiFi-60F, FortiWiFi-61E, FortiWiFi-61F,	
FortiGate VM: FortiGate-VM64, FortiGate-VM64-ALI, FortiGate-VM64-AWS, FortiGate-VM64-AZURE, FortiGate-VM64-AZUREONDEMAND, FortiGate-VM64-GCP, FortiGate-VM64-GCPONDEMAND, FortiGate-VM64-HV, FortiGate-VM64-IBM, FortiGate-VM64-KVM, FortiGate-VM64-OPC, FortiGate-VM64-RAXONDEMAND, FortiGate-VM64-Xen, FortiGate-VMX, FortiGate-VMX-Service-Manager, FortiGate-VM64-IBM	
FortiOS VM: FortiOS-VM64, FortiOS-VM64-HV, FortiOS-VM64-KVM, FortiOS-VM64-Xen	
FortiGateRugged: FortiGateRugged-60F, FortiGateRugged-60F-3G4G	

Model	Firmware Version
FortiGate: FortiGate-30E, FortiGate-30E-3G4G-GBL, FortiGate-30E-3G4G-INTL, FortiGate-30E-3G4G-NAM, FortiGate-40F, FortiGate-40F-3G4G, FortiGate-50E, FortiGate-51E, FortiGate-52E, FortiGate-60E, FG-60E-DSL, FG-60E-DSLJ, FortiGate-60E-POE, FortiGate-60F, FortiGate-61E, FortiGate-61F, FortiGate-80D, FortiGate-80E, FortiGate-80E-POE, FortiGate-80F, FortiGate-80F-Bypass, FortiGate-80F-POE, FortiGate-81E, FortiGate-81E-POE, FortiGate-81F, FortiGate-81F-POE, FortiGate-90E, FortiGate-91E, FortiGate-92D, FortiGate-100D, FortiGate-100E, FortiGate-100EF, FortiGate-100F, FortiGate-101E, FortiGate-101F, FortiGate-140D, FortiGate-140D-POE, FortiGate-140E, FortiGate-140E-POE, FortiGate-200E, FortiGate-201E, FortiGate-300D, FortiGate-300E, FortiGate-301E, FortiGate-400D, FG-400E, FG-400E-Bypass, FG-401E, FortiGate-500D, FortiGate-500E, FortiGate-501E, FortiGate-600D, FortiGate-600E, FortiGate-601E, FortiGate-800D, FortiGate-900D, FortiGate-1000C, FortiGate-1000D, FortiGate-1100E, FortiGate-1101E, FortiGate-1200D, FortiGate-1500D, FortiGate-1500DT, FortiGate-2000E, FortiGate-2200E, FortiGate-2201E, FortiGate-2500E, FortiGate-3000D, FortiGate-3100D, FortiGate-3200D, FortiGate-3300E, FortiGate-3301E, FortiGate-3400E, FortiGate-3401E, FortiGate-3600E, FortiGate-3601E, FortiGate-3700D, FortiGate-3800D, FortiGate-3810D, FortiGate-3815D, FortiGate-3960E, FortiGate-3980E FortiGate 5000 Series: FortiGate-5001D, FortiGate-5001E, FortiGate-5001E1 FortiGate DC: FortiGate-80C-DC, FortiGate-401E-DC, FortiGate-600C-DC, FortiGate-800C-DC, FortiGate-800D-DC, FortiGate-1000C-DC, FortiGate-1100E-DC, FortiGate-1500D-DC, FortiGate-3000D-DC, FortiGate-3100D-DC, FortiGate-3200D-DC, FortiGate-3240C-DC, FortiGate-3400E-DC, FortiGate-3401E-DC, FortiGate-3600E-DC, FortiGate-3700D-DC, FortiGate-3800D-DC, FortiGate-3810D-DC, FortiGate-3815D-DC, FortiGate-3960E-DC, FortiGate-3980E-DC FortiGate Hardware Low Encryption: FortiGate-80C-LENC, FortiGate-100D-LENC, FortiGate-600C-LENC, FortiGate-1000C-LENC FortiWiFi: FortiWiFi-30E, FortiWiFi-30E-3G4G-INTL, FortiWiFi-30E-3G4G-NAM, FortiWiFi-40F, FortiWiFi-40F-3G4G, FortiWiFi-50E, FortiWiFi-50E-2R, FortiWiFi-51E, FortiWiFi-60E, FortiWiFi-60E-DSL, FortiWiFi-60E-DSLJ, FortiWiFi-60F, FortiWiFi-61E, FortiWiFi-61F, FortiWiFi-80F-2R, FortiWiFi-81F-2R, FortiWiFi-81F-2R-POE, FortiGate-VM: FortiGate-VM64, FortiGate-VM64-ALI, FortiGate-VM64-ALIONDEMAND, FortiGate-VM64-AWS, FortiGate-VM64-AWSONDEMAND, FortiGate-VM64-AZUREONDEMAND, FortiGate-VM64-Azure, FortiGate-VM64-GCP, FortiGate-VM64-GCPONDEMAND, FortiGate-VM64-HV, FortiGate-VM64-KVM, FortiGate-VM64-OPC, FortiGate-VM64-RAXONDEMAND, FortiGate-VM64-Xen, FortiGate-VMX-Service-Manager FortiOS: FortiOS-VM64, FortiOS-VM64-HV, FortiOS-VM64-KVM, FortiOS-VM64-Xen FortiGate Rugged: FortiGateRugged-30D, FortiGateRugged-35D, FortiGateRugged-60F, FortiGateRugged-60F-3G4G, FortiGateRugged-90D	6.2

Model	Firmware Version
FortiGate: FortiGate-30D, FortiGate-30D-POE, FortiGate-30E, FortiGate-30E-3G4G-GBL, FortiGate-30E-3G4G-INTL, FortiGate-30E-3G4G-NAM, FortiGate-50E, FortiGate-51E, FortiGate-52E, FortiGate-60D, FortiGate-60D-POE, FortiGate-60E, FortiGate-60E-DSL, FortiGate-60E-DSLJ, FortiGate-60E-POE, FortiGate-61E, FortiGate-70D, FortiGate-70D-POE, FortiGate-80C, FortiGate-80CM, FortiGate-80D, FortiGate-80E, FortiGate-80E-POE, FortiGate-81E, FortiGate-81E-POE, FortiGate-90D, FortiGate-90D-POE, FortiGate-90E, FortiGate-91E, FortiGate-92D, FortiGate-94D-POE, FortiGate-98D-POE, FortiGate-100D, FortiGate-100E, FortiGate-100EF, FortiGate-101E, FortiGate-140D, FortiGate-140D-POE, FortiGate-140E, FortiGate-140E-POE, FortiGate-200D, FortiGate-200D-POE, FortiGate-200E, FortiGate-201E, FortiGate-240D, FortiGate-240D-POE, FortiGate-280D-POE, FortiGate-300D, FortiGate-300E, FortiGate-301E, FortiGate-400D, FortiGate-400E, FortiGate-401E, FortiGate-500D, FortiGate-500E, FortiGate-501E, FortiGate-600C, FortiGate-600D, FortiGate-600E, FortiGate-601E, FortiGate-800C, FortiGate-800D, FortiGate-900D, FortiGate-1000C, FortiGate-1000D, FortiGate-1200D, FortiGate-1500D, FortiGate-1500DT, FortiGate-2000E, FortiGate-2500E, FortiGate-3000D, FortiGate-3100D, FortiGate-3200D, FortiGate-3400E, FortiGate-3401E, FortiGate-3600C, FortiGate-3600E, FortiGate-3601E, FortiGate-3700D, FortiGate-3800D, FortiGate-3810D, FortiGate-3815D, FortiGate-3960E, FortiGate-3980E FortiGate 7000 Series: FortiGate-7000FE, FortiGate-7030E, FortiGate-7040E, FortiGate-7060E, FortiGate-7060E-8-DC FortiGate 6000 Series: FortiGate-6000F, FortiGate-6300F, FortiGate-6300F-DC, FortiGate-6301F, FortiGate-6301F-DC, FortiGate-6500F, FortiGate-6500F-DC, FortiGate-6501F, FortiGate-6501F-DC FortiGate 5000 Series: FortiGate-5001D, FortiGate-5001E, FortiGate-5001E1 FortiGate DC: FortiGate-80C-DC, FG-401E-DC, FortiGate-600C-DC, FortiGate-800C-DC, FortiGate-800D-DC, FortiGate-1000C-DC, FortiGate-1500D-DC, FortiGate-3000D-DC, FortiGate-3100D-DC, FortiGate-3200D-DC, FortiGate-3400E-DC, FortiGate-3401E, FortiGate-3600C-DC, FortiGate-3600E-DC, FortiGate-3700D-DC, FortiGate-3800D-DC, FortiGate-3810D-DC, FortiGate-3815D-DC, FortiGate-3960E-DC, FortiGate-3980E-DC FortiGate ACDC: FortiGate-3960E-ACDC FortiGate Hardware Low Encryption: FortiGate-80C-LENC, FortiGate-100D-LENC, FortiGate-600C-LENC, FortiGate-1000C-LENC Note: All license-based LENC is supported based on the FortiGate support list. FortiWiFi: FortiWiFi-30D, FortiWiFi-30D-POE, FortiWiFi-30E, FortiWiFi-30E-3G4G-INTL, FortiWiFi-30E-3G4G-NAM, FortiWiFi-50E, FortiWiFi-50E-2R, FortiWiFi-51E, FortiWiFi-60D, FortiWiFi-60D-POE, FortiWiFi-60E, FortiWiFi-60E-DSL, FortiWiFi-60E-DSLJ, FortiWiFi-61E, FortiWiFi-80CM, FortiWiFi-81CM, FortiWiFi-90D, FortiWiFi-90D-POE, FortiWiFi-92D FortiGate VM: FortiGate-VM64, FortiGate-VM64-ALI, FortiGate-VM64-ALIONDEMAND, FortiGate-VM64-AWS, FortiGate-VM64-AWSONDEMAND, FortiGate-VM64-AZUREONDEMAND, FortiGate-VM64-Azure, FortiGate-VM64-GCP, FortiGate-VM64-GCPONDEMAND, FortiGate-VM64-HV, FortiGate-VM64-KVM, FortiGate-VM64-OPC, FortiGate-VM64-RAXONDEMAND, FortiGate-VM64-XEN, FortiGate-VMX-Service-Manager FOS VM: FortiOS-VM64, FortiOS-VM64-KVM, FortiOS-VM64-Xen FortiGate Rugged: FortiGateRugged-30D, FortiGateRugged-30D-ADSL-A, FortiGateRugged-35D, FortiGateRugged-60D, FortiGateRugged-90D	6.0

Model	Firmware Version
FortiGate: FortiGate-30D, FortiGate-30D-POE, FortiGate-30E, FortiGate-30E-3G4G-INTL, FortiGate-30E-3G4G-NAM, FortiGate-50E, FortiGate-51E, FortiGate-52E, FortiGate-60D, FortiGate-60D-POE, FortiGate-60E, FortiGate-60E-DSL, FortiGate-60E-DSLJ, FortiGate-60E-POE, FortiGate-61E, FortiGate-70D, FortiGate-70D-POE, FortiGate-80C, FortiGate-80CM, FortiGate-80D, FortiGate-80E, FortiGate-80E-POE, FortiGate-81E, FortiGate-81E-POE, FortiGate-90D, FortiGate-90D-POE, FortiGate-90E, FortiGate-91E, FortiGate-92D, FortiGate-94D-POE, FortiGate-98D-POE, FortiGate-100D, FortiGate-100E, FortiGate-100EF, FortiGate-101E, FortiGate-140D, FortiGate-140D-POE, FortiGate-140E, FortiGate-140E-POE, FortiGate-200D, FortiGate-200D-POE, FortiGate-200E, FortiGate-201E, FortiGate-240D, FortiGate-240D-POE, FortiGate-280D-POE, FortiGate-300D, FortiGate-300E, FortiGate-301E, FortiGate-400D, FortiGate-500D, FortiGate-500E, FortiGate-501E, FortiGate-600C, FortiGate-600D, FortiGate-800C, FortiGate-800D, FortiGate-900D, FortiGate-1000C, FortiGate-1000D, FortiGate-1200D, FortiGate-1500D, FortiGate-1500DT, FortiGate-2000E, FortiGate-2500E, FortiGate-3000D, FortiGate-3100D, FortiGate-3200D, FortiGate-3240C, FortiGate-3600C, FortiGate-3700D, FortiGate-3700DX, FortiGate-3800D, FortiGate-3810D, FortiGate-3815D, FortiGate-3960E, FortiGate-3980E, FortiGate-5001C FortiGate 5000 Series: FortiGate-5001C, FortiGate-5001D, FortiGate-5001E, FortiGate-5001E1 FortiGate DC: FortiGate-80C-DC, FortiGate-600C-DC, FortiGate-800C-DC, FortiGate-800D-DC, FortiGate-1000C-DC, FortiGate-1500D-DC, FortiGate-3000D-DC, FortiGate-3100D-DC, FortiGate-3200D-DC, FortiGate-3240C-DC, FortiGate-3600C-DC, FortiGate-3700D-DC, FortiGate-3800D-DC, FortiGate-3810D-DC, FortiGate-3960E-DC FortiGate ACDC: FortiGate-3960E-ACDC FortiGate Hardware Low Encryption: FortiGate-80C-LENC, FortiGate-100D-LENC, FortiGate-600C-LENC, FortiGate-1000C-LENC Note: All license-based LENC is supported based on the FortiGate support list. FortiWiFi: FortiWiFi-30D, FortiWiFi-30D-POE, FortiWiFi-30E, FortiWiFi-30E-3G4G-INTL, FortiWiFi-30E-3G4G-NAM, FortiWiFi-50E, FortiWiFi-50E-2R, FortiWiFi-51E, FortiWiFi-60D, FortiWiFi-60D-POE, FortiWiFi-60E, FortiWiFi-60E-DSL, FortiWiFi-61E, FortiWiFi-80CM, FortiWiFi-81CM, FortiWiFi-90D, FortiWiFi-90D-POE, FortiWiFi-92D FortiGate VM: FortiGate-VM64, FortiGate-VM64-AWS, FortiGate-VM64-AWSONDEMAND, FortiGate-VM64-AZUREONDEMAND, FortiGate-VM64-Azure, FortiGate-VM64-GCP, FortiGate-VM64-GCPONDEMAND, FortiGate-VM64-HV, FortiGate-VM64-KVM, FortiGate-VM64-OPC, FortiGate-VM64-XEN, FortiGate-VMX-Service-Manager FOS VM: FortiOS-VM64, FortiOS-VM64-KVM, FortiOS-VM64-Xen FortiGate Rugged: FortiGateRugged-30D, FortiGateRugged-35D, FortiGateRugged-60D, FortiGateRugged-90D	5.6

Model	Firmware Version
FortiGate: FortiGate-30D, FortiGate-30D-POE, FortiGate-30E, FortiGate-50E, FortiGate-51E, FortiGate-60D, FortiGate-60D-POE, FortiGate-70D, FortiGate-70D-POE, FortiGate-80C, FortiGate-80CM, FortiGate-80D, FortiGate-90D, FortiGate-90D-POE, FortiGate-90E, FortiGate-91E, FortiGate-92D, FortiGate-94D-POE, FortiGate-98D-POE, FortiGate-100D, FortiGate-140D, FortiGate-140D-POE, FortiGate-200D, FortiGate-200D-POE, FortiGate-240D, FortiGate-240D-POE, FortiGate-280D-POE, FortiGate-300D, FortiGate-400D, FortiGate-500D, FortiGate-600C, FortiGate-600D, FortiGate-800C, FortiGate-800D, FortiGate-900D, FortiGate-1000C, FortiGate-1000D, FortiGate-1200D, FortiGate-1500D, FortiGate-1500DT, FortiGate-3000D, FortiGate-3100D, FortiGate-3200D, FortiGate-3240C, FortiGate-3600C, FortiGate-3700D, FortiGate-3700DX, FortiGate-3800D, FortiGate-3810D, FortiGate-3815D FortiGate 5000 Series: FortiGate-5001C, FortiGate-5001D FortiGate DC: FortiGate-80C-DC, FortiGate-600C-DC, FortiGate-800C-DC, FortiGate-800D-DC, FortiGate-1000C-DC, FortiGate-1500D-DC, FortiGate-3000D-DC, FortiGate-3100D-DC, FortiGate-3200D-DC, FortiGate-3240C-DC, FortiGate-3600C-DC, FortiGate-3700D-DC, FortiGate-3800D-DC, FortiGate-3810D-DC FortiGate Hardware Low Encryption: FortiGate-80C-LENC, FortiGate-100D-LENC, FortiGate-600C-LENC, FortiGate-1000C-LENC Note: All license-based LENC is supported based on the FortiGate support list. FortiWiFi: FortiWiFi-30D, FortiWiFi-30D-POE, FortiWiFi-30E, FortiWiFi-50E, FortiWiFi-51E, FortiWiFi-60D, FortiWiFi-60D-POE, FortiWiFi-61E, FortiWiFi-80CM, FortiWiFi-81CM, FortiWiFi-90D, FortiWiFi-90D-POE FortiGate VM: FortiGate-VM64, FortiGate-VM64-AWS, FortiGate-VM64-AWSONDEMAND, FortiGate-VM64-HV, FortiGate-VM64-KVM, FortiGate-VM64-XEN, FortiGate-VMX-Service-Manager FOS VM: FortiOS-VM64, FortiOS-VM64-KVM FortiGate Rugged: FortiGateRugged-60D, FortiGateRugged-90D	5.4

FortiGate special branch models

The following FortiGate models are released on special branches of FortiOS. FortiAnalyzer version 7.0.6 supports these models on the identified FortiOS version and build number.

For information about supported FortiGate models released with FortiOS firmware, see [FortiGate models on page 25](#).

FortiOS 7.0

FortiGate Model	FortiOS Version	FortiOS Build
FortiGate-70F FortiGate-71F	7.0.8	4682
FortiGate-80F-DSL	7.0.10	4905
FortiGate-400F	7.0.10	4908

FortiGate Model	FortiOS Version	FortiOS Build
FortiGate-401F		
FortiGate-600F	7.0.10	4913
FortiGate-601F		
FortiGate-1000F	7.0.10	6503
FortiGate-1001F		
FortiGate-1500G	7.0.9	6458
FortiGate-1501G		
FortiGate-3000F	7.0.10	4908
FortiGate-3001F	7.0.10	4894
FortiGate-3200F	7.0.10	6506
FortiGate-3201F		
FortiGate-3700F	7.0.10	6506
FortiGate-3701F		
FortiGate-4800F	7.0.10	6506
FortiGate-4801F		
FortiGate-6000F	7.0.10	0117
FortiGate-6300F		
FortiGate-6300F-DC		
FortiGate-6301F		
FortiGate-6301F-DC		
FortiGate-6500F		
FortiGate-6500F-DC		
FortiGate-6501F		
FortiGate-6501F-DC		
FortiGate-7000E	7.0.10	0117
FortiGate-7030E		
FortiGate-7040E		
FortiGate-7060E		
FortiGate-7060E-8-DC		
FortiGate-7000F	7.0.10	0117
FortiGate-7121F		
FortiGate-7121F-2		
FortiGate-7121F-2-DC		
FortiGate-7121F-DC		
FortiGateRugged-70F	7.0.10	6509
FortiGateRugged-70F-3G4G	7.0.10	6524

FortiOS 6.4

FortiGate Model	FortiOS Version	FortiOS Build
FortiGate-400F FortiGate-401F	6.4.12	5429
FortiGate-600F FortiGate-601F	6.4.12	5429
FortiWiFi-80F-2R FortiWiFi-81F-2R FortiWiFi-81F-2R-3G4G-POE FortiWiFi-81F-2R-POE FortiWiFi-80F-2R-3G4G-DSL	6.4.8	5033
FortiGate-3500F	6.4.6	5886
FortiGate-3501F	6.4.6	6132
FortiGate-6000F FortiGate-6300F FortiGate-6300F-DC FortiGate-6301F FortiGate-6301F-DC FortiGate-6500F FortiGate-6500F-DC FortiGate-6501F FortiGate-6501F-DC	6.4.12	1914
FortiGate-7000E FortiGate-7030E FortiGate-7040E FortiGate-7060E FortiGate-7060E-8-DC	6.4.12	1914
FortiGate-7000F FortiGate-7121F FortiGate-7121F-2 FortiGate-7121F-2-DC FortiGate-7121F-DC	6.4.12	1914

FortiOS 6.2

FortiGate Model	FortiOS Version	FortiOS Build
FortiGate-80D	6.2.13	5238

FortiGate Model	FortiOS Version	FortiOS Build
FortiGate-200F, FortiGate-201F	6.2.13	7249
FortiGate-1800F, FortiGate-1800F-DC FortiGate-1801F, FortiGate-1801F-DC	6.2.9	7197
FortiGate-2600F, FortiGate-2600F-DC FortiGate-2601F, FortiGate-2601F-DC	6.2.9	7197
FortiGate-4200F, FortiGate-4200F-DC FortiGate-4201F, FortiGate-4201F-DC	6.2.9	7197
FortiGate-4400F, FortiGate-4400F-DC	6.2.9	7197
FortiGate-4401F, FortiGate-4401F-DC	6.2.9	7197
FortiGate-6000F FortiGate-6300F FortiGate-6300F-DC FortiGate-6301F FortiGate-6301F-DC FortiGate-6500F FortiGate-6500F-DC FortiGate-6501F FortiGate-6501F-DC	6.2.13	1271
FortiGate-7000E FortiGate-7030E FortiGate-7040E FortiGate-7060E FortiGate-7060E-8-DC	6.2.13	1271
FortiGate-7000F FortiGate-7121F FortiGate-7121F-2 FortiGate-7121F-2-DC FortiGate-7121F-DC	6.2.13	1271
FortiWiFi-80F-2R-3G4G-DSL FortiWiFi-81F-2R-3G4G-DSL	6.2.6	7219
FortiWiFi-81F-2R-3G4G-POE	6.2.6	7099
FortiWiFi-81F-2R-3G4G-POE	6.2.6	7099

FortiOS 6.0

FortiGate Model	FortiOS Version	FortiOS Build
FortiGate-40F, FortiGate-40F-3G4G	6.0	Build 442 and special branch 6887
FortiGate-41F	6.0.6	6445
FortiGate-41F-3G4G	6.0.6	6674
FortiGate-60F, FortiGate-61F	6.0	Build 442 and special branch 6890
FortiGate-100F, FortiGate-101F	6.0	Build 442 and special branch 6890
FortiGate-1100E, FortiGate-1100E-DC, FortiGate-1101E	6.0	Build 442 and special branch 6886
FortiGate-1800F, FortiGate-1800F-DC, FortiGate-1801F, FortiGate-1801F-DC	6.0	Build 442 and special branch 6889
FortiGate-2200E, FortiGate-2201E, FortiGate-2201E-ACDC	6.0	Build 442 and special branch 6888
FortiWiFi-40F, FortiWiFi-40F-3G4G	6.0	Build 442 and special branch 6887
FortiWiFi-41F, FortiWiFi-41F-3G4G	6.0.6	6674
FortiWiFi-60F, FortiWiFi-61F	6.0	Build 442 and special branch 6890

FortiOS 5.6

FortiGate Model	FortiOS Version	FortiOS Build
FortiGate-60E-DSL, FortiGate-60E-DSLJ	5.6.8	4211
FortiGate-5001E1	5.6	Build 1560 and special branch 7796
FortiGate-6000F FortiGate-7000E	5.6.12	4286
FortiOS-VM64-HV	5.6.4	4081
FortiWiFi-60E-DSL, FortiWiFi-60E-DSLJ	5.6.8	4211

FortiOS 5.4

FortiGate Model	FortiOS Version	FortiOS Build
FortiGate-30E-3G4G-INTL, FortiGate-30E-3G4G-NAM	5.4	Build 1150 and special branch 6334
FortiGate-52E	5.4	Build 1150 and special branch 6337
FortiGate-60E	5.4	Build 1150 and special branch 6346
FortiGate-60E-DSL	5.4.5	6375
FortiGate-60E-POE	5.4.4	7625
FortiGate-61E	5.4	Build 1150 and special branch 6346
FortiGate-80E	5.4	Build 1150 and special branch 6346
FortiGate-80E-POE	5.4	Build 1150 and special branch 6348
FortiGate-81E, FortiGate-81E-POE	5.4	Build 1150 and special branch 6346
FortiGate-90E FortiGate 91E	5.4	Build 1150 and special branch 6343
FortiGate-100E, FortiGate-100EF	5.4	Build 1150 and special branch 6346
FortiGate-101E	5.4	Build 1150 and special branch 6352
FortiGate-140E, FortiGate-140E-POE	5.4	Build 1150 and special branch 6346
FortiGate-200E FortiGate-201E	5.4	Build 1150 and special branch 6342
FortiGate-300E FortiGate-301E	5.4	Build 1150 and special branch 4058
FortiGate-500E FortiGate-501E	5.4	Build 1150 and special branch 4058
FortiGate-2000E FortiGate 2500E	5.4	Build 1150 and special branch 6339
FortiGate-3960E FortiGate-3980E	5.4	Build 1150 and special branch 6350

FortiGate Model	FortiOS Version	FortiOS Build
FortiGate-5001E, FortiGate-5001E1	5.4	Build 1150 and special branch 6358
FortiGate-6000F	5.4.9	4271
FortiGate-7000E	5.4.9	8110
FortiGate-VM64-AZUREONDEMAND FortiGate-VM64-Azure	5.4.6	6399
FortiGateRugged-30D, FortiGateRugged-30D-ADSL-A FortiGateRugged-35D	5.4	Build 1150 and special branch 7674
FortiWiFi-30E-3G4G-INTL, FortiWiFi-30E-3G4G-NAM	5.4	Build 1150 and special branch 6334
FortiWiFi-50E-2R	5.4	Build 1150 and special branch 7676
FortiWiFi-60E	5.4	Build 1150 and special branch 6346
FortiWiFi-60E-DSL	5.4.5	6331
FortiWiFi-61E	5.4	Build 1150 and special branch 6346
FortiWiFi-92D	5.4	Build 1150 and special branch 7675

FortiCarrier models

Model	Firmware Version
FortiCarrier: FortiCarrier-3000D, FortiCarrier-3100D, FortiCarrier-3200D, FortiCarrier-3300E, FortiCarrier-3301E, FortiCarrier-3400E, FortiCarrier-3401E, FortiCarrier-3500F, FortiCarrier-3501F, FortiCarrier-3600E, FortiCarrier-3601E, FortiCarrier-3700D, FortiCarrier-3800D, FortiCarrier-3810D, FortiCarrier-3815D, FortiCarrier-3960E, FortiCarrier-3980E, FortiCarrier-4400F, FortiCarrier-4401F, FortiCarrier-4200F, FortiCarrier-4201F, FortiCarrier-5001D, FortiCarrier-5001E, FortiCarrier-5001E1 FortiCarrier-DC: FortiCarrier-3000D-DC, FortiCarrier-3100D-DC, FortiCarrier-3200D-DC, FortiCarrier-3400E-DC, FortiCarrier-3401E-DC, FortiCarrier-3600E-DC, FortiCarrier-3700D-DC, FortiCarrier-3800D-DC, FortiCarrier-3810D-DC, FortiCarrier-3815D-DC, FortiCarrier-3960E-DC, FortiCarrier-3980E-DC, FortiCarrier-4400F-DC, FortiCarrier-4400F-DC, FortiCarrier-4200F-DC, FortiCarrier-4201F-DC FortiCarrier-VM: FortiCarrier-VM64, FortiCarrier-VM64-ALI, FortiCarrier-VM64-AWS, FortiCarrier-VM64-Azure, FortiCarrier-VM64-GCP, FortiCarrier-VM64-HV, FortiCarrier-VM64-IBM, FortiCarrier-VM64-KVM, FortiCarrier-VM64-OPC, FortiCarrier-VM64-Xen, FortiCarrier-ARM64-AWS, FortiCarrier-ARM64-KVM, FortiCarrier-ARM64-OCI	7.0

Model	Firmware Version
<p>FortiCarrier: FortiCarrier-3000D, FortiCarrier-3100D, FortiCarrier-3200D, FortiCarrier-3300E, FortiCarrier-3301E, FortiCarrier-3400E, FortiCarrier-3401E, FortiCarrier-3500F, FortiCarrier-3501F, FortiCarrier-3600E, FortiCarrier-3601E, FortiCarrier-3700D, FortiCarrier-3800D, FortiCarrier-3810D, FortiCarrier-3815D, FortiCarrier-3960E, FortiCarrier-3980E, FortiCarrier-4400F, FortiCarrier-4401F, FortiCarrier-4200F, FortiCarrier-4201F, FortiCarrier-5001D, FortiCarrier-5001E, FortiCarrier-5001E1</p> <p>FortiCarrier-DC: FortiCarrier-3000D-DC, FortiCarrier-3100D-DC, FortiCarrier-3200D-DC, FortiCarrier-3400E-DC, FortiCarrier-3401E-DC, FortiCarrier-3600E-DC, FortiCarrier-3700D-DC, FortiCarrier-3800D-DC, FortiCarrier-3810D-DC, FortiCarrier-3815D-DC, FortiCarrier-3960E-DC, FortiCarrier-3980E-DC, FortiCarrier-4400F-DC, FortiCarrier-4400F-DC, FortiCarrier-4200F-DC, FortiCarrier-4201F-DC</p> <p>FortiCarrier-VM: FortiCarrier-VM64, FortiCarrier-VM64-ALI, FortiCarrier-VM64-AWS, FortiCarrier-VM64-Azure, FortiCarrier-VM64-GCP, FortiCarrier-VM64-HV, FortiCarrier-VM64-IBM, FortiCarrier-VM64-KVM, FortiCarrier-VM64-OPC, FortiCarrier-VM64-Xen</p>	6.4
<p>FortiCarrier: FortiCarrier-3000D, FortiCarrier-3100D, FortiCarrier-3200D, FortiCarrier-3300E, FortiCarrier-3301E, FortiCarrier-3400E, FortiCarrier-3401E, FortiCarrier-3600E, FortiCarrier-3601E, FortiCarrier-3700D, FortiCarrier-3800D, FortiCarrier-3810D, FortiCarrier-3815D, FortiCarrier-3960E, FortiCarrier-3980E, FortiCarrier-5001D, FortiCarrier-5001E, FortiCarrier-5001E1</p> <p>FortiCarrier-DC: FortiCarrier-3000D-DC, FortiCarrier-3100D-DC, FortiCarrier-3200D-DC, FortiCarrier-3400E-DC, FortiCarrier-3401E-DC, FortiCarrier-3600E-DC, FortiCarrier-3700D-DC, FortiCarrier-3800D-DC, FortiCarrier-3810D-DC, FortiCarrier-3815D-DC, FortiCarrier-3960E-DC, FortiCarrier-3980E-DC</p> <p>FortiCarrier 6K and 7K: FortiCarrier-6000F, FortiCarrier-6300F, FortiCarrier-6301F, FortiCarrier-6500F, FortiCarrier-6501F, FortiCarrier-7000E, FortiCarrier-7030E, FortiCarrier-7040E, FortiCarrier-7060E, FortiCarrier-7000F, FortiCarrier-7121F, FortiCarrier-7121F-2</p> <p>FortiCarrier 6K and 7K DC: FortiCarrier-6000F-DC, FortiCarrier-6300F-DC, FortiCarrier-6301F-DC, FortiCarrier-6500F-DC, FortiCarrier-6501F-DC, FortiCarrier-7060E-8-DC, FortiCarrier-7121F-DC, FortiCarrier-7121F-2-DC</p> <p>FortiCarrier-VM: FortiCarrier-VM64, FortiCarrier-VM64-ALI, FortiCarrier-VM64-AWS, FortiCarrier-VM64-Azure, FortiCarrier-VM64-GCP, FortiCarrier-VM64-HV, FortiCarrier-VM64-KVM, FortiCarrier-VM64-OPC, FortiCarrier-VM64-Xen</p>	6.2
<p>FortiCarrier: FortiCarrier-3000D, FortiCarrier-3100D, FortiCarrier-3200D, FortiCarrier-3400E, FortiCarrier-3401E, FortiCarrier-3600E, FortiCarrier-3601E, FortiCarrier-3700D, FortiCarrier-3800D, FortiCarrier-3810D, FortiCarrier-3815D, FortiCarrier-3960E, FortiCarrier-3980E</p> <p>FortiCarrier-DC: FortiCarrier-3000D-DC, FortiCarrier-3100D-DC, FortiCarrier-3200D-DC, FortiCarrier-3400E-DC, FortiCarrier-3401E-DC, FortiCarrier-3600E-DC, FortiCarrier-3700D-DC, FortiCarrier-3800D-DC, FortiCarrier-3810D-DC, FortiCarrier-3815D-DC, FortiCarrier-3960E-DC, FortiCarrier-3980E-DC</p> <p>FortiCarrier 5K, 6K, and 7K: FortiCarrier-5001D, FortiCarrier-5001E, FortiCarrier-5001E1, FortiCarrier-6000F, FortiCarrier-6300F, FortiCarrier-6301F, FortiCarrier-6500F, FortiCarrier-6501F, FortiCarrier-7000E, FortiCarrier-7030E, FortiCarrier-7040E, FortiCarrier-7060E, FortiCarrier-7000F, FortiCarrier-7121F, FortiCarrier-7121F-2</p>	6.0

Model	Firmware Version
FortiCarrier 6K and 7K DC: FortiCarrier-6000F-DC, FortiCarrier-6300F-DC, FortiCarrier-6301F-DC, FortiCarrier-6500F-DC, FortiCarrier-6501F-DC, FortiCarrier-7060E-8-DC, FortiCarrier-7121F-DC, FortiCarrier-7121F-2-DC FortiCarrier-VM: FortiCarrier-VM64, FortiCarrier-VM64-ALI, FortiCarrier-VM64-AWS, FortiCarrier-VM64-Azure, FortiCarrier-VM64-GCP, FortiCarrier-VM64-HV, FortiCarrier-VM64-KVM, FortiCarrier-VM64-OPC, FortiCarrier-VM64-Xen	
FortiCarrier: FortiCarrier-3000D, FortiCarrier-3100D, FortiCarrier-3200D, FortiCarrier-3240C, FortiCarrier-3600C, FortiCarrier-3600E, FortiCarrier-3700D, FortiCarrier-3700DX, FortiCarrier-3800D, FortiCarrier-3810D, FortiCarrier-3815D, FortiCarrier-3960E, FortiCarrier-3980E FortiCarrier-DC: FortiCarrier-3000D-DC, FortiCarrier-3100D-DC, FortiCarrier-3200D-DC, FortiCarrier-3240C-DC, FortiCarrier-3600C-DC, FortiCarrier-3600E-DC, FortiCarrier-3700D-DC, FortiCarrier-3800D-DC, FortiCarrier-3810D-DC, FortiCarrier-3815D-DC, FortiCarrier-3960E-DC, FortiCarrier-3980E-DC FortiCarrier 5K, 6K, and 7K: FortiCarrier-5001C, FortiCarrier-5001D, FortiCarrier-5001E FortiCarrier-VM: FortiCarrier-VM64, FortiCarrier-VM64-AWS, FortiCarrier-VM64-AWSONDEMAND, FortiCarrier-VM64-Azure, FortiCarrier-VM64-GCP, FortiCarrier-VM64-HV, FortiCarrier-VM64-KVM, FortiCarrier-VM64-OPC, FortiCarrier-VM64-Xen	5.6
FortiCarrier: FortiCarrier-3000D, FortiCarrier-3100D, FortiCarrier-3200D, FortiCarrier-3240C, FortiCarrier-3600C, FortiCarrier-3600E, FortiCarrier-3700D, FortiCarrier-3700DX, FortiCarrier-3800D, FortiCarrier-3800E, FortiCarrier-3810D, FortiCarrier-3815D FortiCarrier-DC: FortiCarrier-3000D-DC, FortiCarrier-3100D-DC, FortiCarrier-3200D-DC, FortiCarrier-3240C-DC, FortiCarrier-3600C-DC, FortiCarrier-3600E-DC, FortiCarrier-3700D-DC, FortiCarrier-3800D-DC, FortiCarrier-3800E-DC, FortiCarrier-3810D-DC, FortiCarrier-3815D-DC FortiCarrier 5K, 6K, and 7K: FortiCarrier-5001C, FortiCarrier-5001D FortiCarrier-VM: FortiCarrier-VM64, FortiCarrier-VM64-AWS, FortiCarrier-VM64-AWSONDEMAND, FortiCarrier-VM64-HV, FortiCarrier-VM64-KVM, FortiCarrier-VM64-Xen	5.4

FortiADC models

Model	Firmware Version
FortiADC: FortiADC-100F, FortiADC-120F, FortiADC-200D, FortiADC-200F, FortiADC-220F, FortiADC-300D, FortiADC-300F, FortiADC-400D, FortiADC-400F, FortiADC-700D, FortiADC-1000F, FortiADC-1200F, FortiADC-1500D, FortiADC-2000D, FortiADC-2000F, FortiADC-2200F, FortiADC-4000D, FortiADC-4000F, FortiADC-4200F, FortiADC-5000F FortiADC VM: FortiADC-VM	6.2, 7.0
FortiADC: FortiADC-100F, FortiADC-200D, FortiADC-200F, FortiADC-220F, FortiADC-300D, FortiADC-300F, FortiADC-400D, FortiADC-400F, FortiADC-700D, FortiADC-1000F, FortiADC-1200F, FortiADC-1500D, FortiADC-2000D, FortiADC-2000F, FortiADC-2200F, FortiADC-4000D, FortiADC-4000F, FortiADC-4200F, FortiADC-5000F FortiADC VM: FortiADC-VM	6.0, 6.1

FortiNDR models

Model	Firmware Version
FortiNDR: FAI-3500F	1.5
FortiAI-VM: FAI-VM, FAI-KVM	

FortiAnalyzer models

Model	Firmware Version
FortiAnalyzer: FortiAnalyzer-150G, FortiAnalyzer-200F, FortiAnalyzer-300F, FortiAnalyzer-300G, FortiAnalyzer-400E, FortiAnalyzer-800F, FortiAnalyzer-800G, FortiAnalyzer-1000F, FortiAnalyzer-2000E, FortiAnalyzer-3000E, FortiAnalyzer-3000F, FortiAnalyzer-3000G, FortiAnalyzer-3500E, FortiAnalyzer-3500F, FortiAnalyzer-3500G, FortiAnalyzer-3700F, FortiAnalyzer-3900E FortiAnalyzer VM: FortiAnalyzer-DOCKER, FortiAnalyzer-VM64, FortiAnalyzer-VM64-AWS, FortiAnalyzer-VM64-Azure, FortiAnalyzer-VM64-GCP, FortiAnalyzer-VM64-HV, FortiAnalyzer-VM64-IBM, FortiAnalyzer-VM64-KVM, FortiAnalyzer-VM64-OPC, FortiAnalyzer-VM64-Xen	7.0
FortiAnalyzer: FortiAnalyzer-150G, FortiAnalyzer-200F, FortiAnalyzer-300F, FortiAnalyzer-300G, FortiAnalyzer-400E, FortiAnalyzer-800F, FortiAnalyzer-800G, FortiAnalyzer-1000E, FortiAnalyzer-1000F, FortiAnalyzer-2000E, FortiAnalyzer-3000E, FortiAnalyzer-3000F, FortiAnalyzer-3000G, FortiAnalyzer-3500E, FortiAnalyzer-3500F, FortiAnalyzer-3500G, FortiAnalyzer-3700F, FortiAnalyzer-3700G, FortiAnalyzer-3900E FortiAnalyzer VM: FortiAnalyzer-DOCKER, FortiAnalyzer-VM64, FortiAnalyzer-VM64-ALI, FortiAnalyzer-VM64-ALI-OnDemand, FortiAnalyzer-VM64-AWS, FortiAnalyzer-VM64-AWSOnDemand, FortiAnalyzer-VM64-Azure, FortiAnalyzer-VM64-Azure-OnDemand, FortiAnalyzer-VM64-GCP, FortiAnalyzer-VM64-GCP-OnDemand, FortiAnalyzer-VM64-HV, FortiAnalyzer-VM64-KVM, FortiAnalyzer-VM64-OPC, FortiAnalyzer-VM64-Xen	6.4
FortiAnalyzer: FAZ-200D, FAZ-200F, FAZ-300D, FAZ-300F, FAZ-300G, FAZ-400E, FAZ-800F, FAZ-1000D, FAZ-1000E, FAZ-1000F, FAZ-2000E, FAZ-3000D, FAZ-3000E, FAZ-3000F, FAZ-3000G, FAZ-3500E, FAZ-3500F, FAZ-3500G, FAZ-3700F and FAZ-3900E. FortiAnalyzer VM: FortiAnalyzer-DOCKER, FAZ-VM64, FAZ-VM64-Ali, FAZ-VM64-AWS, FAZ-VM64-AWS-OnDemand, FAZ-VM64-Azure, FAZ-VM64-GCP, FortiAnalyzer-VM64-GCP-OnDemand, FAZ-VM64-HV, FAZ-VM64-KVM, FAZ-VM64-OPC, and FAZ-VM64-XEN (Citrix XenServer and Open Source Xen).	6.2

FortiAuthenticator models

Model	Firmware Version
FortiAuthenticator: FAC-200D, FAC-200E, FAC-300F, FAC-400C, FAC-400E, FAC-800F, FAC-1000C, FAC-1000D, FAC-2000E, FAC-3000D, FAC-3000E	6.2, 6.3, 6.4

Model	Firmware Version
FortiAuthenticator VM: FAC-VM	

FortiCache models

Model	Firmware Version
FortiCache: FCH-400C, FCH-400E, FCH-1000C, FCH-1000D, FCH-3000C, FCH-3000D, FCH-3000E, FCH-3900E FortiCache VM: FCH-KVM, FCH-VM64	4.1, 4.2
FortiCache: FCH-400C, FCH-400E, FCH-1000C, FCH-1000D, FCH-3000C, FCH-3000D, FCH-3900E FortiCache VM: FCH-VM64	4.0

FortiDDoS models

Model	Firmware Version
FortiDDoS: FortiDDoS-2000F	6.3
FortiDDoS: FortiDDoS-200F, FortiDDoS-1500F FortiDDoS VM: FortiDDoS-VM	6.1, 6.2, 6.3

FortiDeceptor models

Model	Firmware Version
FortiDeceptor: FDC-1000F, FDC-1000G FortiDeceptor Rugged: FDCR-100G FortiDeceptor VM: FDC-VM	4.1
FortiDeceptor: FDC-1000F, FDC-1000G FortiDeceptor Rugged: FDCR-100G FortiDeceptor VM: FDC-VM	4.0
FortiDeceptor: FDC-1000F, FDC-3000D FortiDeceptor VM: FDC-VM	3.3

FortiFirewall models

Some of the following FortiFirewall models are released on special branches of FortiFirewall firmware. FortiAnalyzer version 7.0.6 supports these models on the identified FortiFirewall firmware version and build number.

Model	Firmware Version	Firmware Build
FortiFirewall: FortiFirewall-3980E, FortiFirewall-4200F, FortiFirewall-4400F FortiFirewall DC: FortiFirewall-3980E-DC FortiFirewall VM: FortiFirewall-VM64, FortiFirewall-VM64-KVM	6.4	1999
FortiFirewall: FortiFirewall-4401F FortiFirewall DC: FortiFirewall-4401F-DC	6.4	5423
FortiFirewall: FortiFirewall-2600F FortiFirewall DC: FortiFirewall-2600F-DC	6.4	5423
FortiFirewall: FortiFirewall-1801F FortiFirewall DC: FortiFirewall-1801F-DC	6.4	5423
FortiFirewall: FortiFirewall-3980E FortiFirewall DC: FortiFirewall-3980E-DC	6.2	1262
FortiFirewall: FortiFirewall-4200F	6.2.7	5141
FortiFirewall: FortiFirewall-4400F	6.2.7	5148

FortiFirewallCarrier models

The following FortiFirewallCarrier models are released on special branches of FortiFirewallCarrier firmware. FortiAnalyzer version 7.0.6 supports these models on the identified FortiFirewallCarrier firmware version and build number.

Model	Firmware Version	Firmware Build
FortiFirewallCarrier: FortiFirewallCarrier-4200F, FortiFirewallCarrier-4400F	6.4	1999
FortiFirewallCarrier: FortiFirewallCarrier-4401F	6.4	5423
FortiFirewallCarrier: FortiFirewallCarrier-4200F, FortiFirewallCarrier-4400F	6.2.7	5148

FortiMail models

Model	Firmware Version
FortiMail: FE-60D, FE-200D, FE-200E, FE-200F, FE-400E, FE-400F, FE-900F, FE-1000D, FE-2000E, FE-2000F, FE-3000D, FE-3000E, FE-3000F, FE-3200E FortiMail VM: FML-VM	7.0
FortiMail: FE-60D, FE-200D, FE-200E, FE-200F, FE-400E, FE-400F, FE-900F, FE-1000D, FE-2000E, FE-3000D, FE-3000E, FE-3200E FortiMail VM: FML-VM	6.2, 6.4

FortiNAC models

Model	Firmware Version
FortiNAC: FortiNAC-500, FortiNAC-600, FortiNAC-700, FortiNAC-C-1000C, FortiNAC-C-2000C, FortiNAC-Manager-550	8.8, 9.1, 9.2
FortiNAC VM: FortiNAC-C-VM, FortiNAC-CA-VM, FortiNAC-M-VM	

FortiProxy models

Model	Firmware Version
FortiProxy: FPX-400E, FPX-400G, FPX-2000E, FPX-2000G, FPX-4000E, FPX-4000G	7.0
FortiProxy VM: FortiProxy-AWS, FortiProxy-Azure, FortiProxy-GCP, FortiProxy-HyperV, FortiProxy-KVM, FortiProxy-VM64	
FortiProxy: FPX-400E, FPX-2000E, FPX-4000E	1.2, 2.0
FortiProxy VM: FortiProxy-KVM, FortiProxy-VM64	

FortiSandbox models

Model	Firmware Version
FortiSandbox: FSA-500F, FSA-1000D, FSA-1000F, FSA-2000E, FSA-3000D, FSA-3000E, FSA-3000F, FSA-3500D	4.0, 4.2
FortiSandbox DC: FSA-1000F-DC	
FortiSandbox-VM: FortiSandbox-AWS, FortiSandbox-Cloud, FSA-VM	
FortiSandbox: FSA-500F, FSA-1000D, FSA-1000F, FSA-2000E, FSA-3000D, FSA-3000E, FSA-3500D	3.1, 3.2
FortiSandbox DC: FSA-1000F-DC	
FortiSandbox-VM: FortiSandbox-AWS, FSA-VM	

FortiSOAR models

Model	Firmware Version
FortiSOAR VM: FortiSOAR-VM	6.0, 6.4, 7.0

FortiSwitch ATCA models

Model	Firmware Version
FortiController: FTCL-5103B, FTCL-5903C, FTCL-5913C	5.2
FortiSwitch-ATCA: FS-5003A, FS-5003B FortiController: FTCL-5103B	5.0
FortiSwitch-ATCA: FS-5003A, FS-5003B	4.3

FortiWeb models

Model	Firmware Version
FortiWeb: FortiWeb-100D, FortiWeb-100E, FortiWeb-400C, FortiWeb-400D, FortiWeb-400E, FortiWeb-600D, FortiWeb-600E, FortiWeb-1000D, FortiWeb-1000E, FortiWeb-2000E, FortiWeb-2000F, FortiWeb-3000C, FortiWeb-3000CFSX, FortiWeb-3000D, FortiWeb-3000DFSX, FortiWeb-3000E, FortiWeb-3000F, FortiWeb-3010E, FortiWeb-4000C, FortiWeb-4000D, FortiWeb-4000E, FortiWeb-4000F FortiWeb VM: FortiWeb-Azure, FortiWeb-Azure_OnDemand, FortiWeb-Docker, FortiWeb-GCP, FortiWeb-GCP_OnDemand, FortiWeb-HyperV, FortiWeb-VM, FortiWeb-XENOpenSource, FortiWeb-XENServer	6.4, 7.0
FortiWeb: FortiWeb-100D, FortiWeb-100E, FortiWeb-400C, FortiWeb-400D, FortiWeb-400E, FortiWeb-600D, FortiWeb-600E, FortiWeb-1000D, FortiWeb-1000E, FortiWeb-2000E, FortiWeb-3000C, FortiWeb-3000CFSX, FortiWeb-3000D, FortiWeb-3000DFSX, FortiWeb-3000E, FortiWeb-3010E, FortiWeb-4000C, FortiWeb-4000D, FortiWeb-4000E FortiWeb VM: FortiWeb-Azure, FortiWeb-Azure_OnDemand, FortiWeb-Docker, FortiWeb-GCP, FortiWeb-GCP_OnDemand, FortiWeb-HyperV, FortiWeb-VM, FortiWeb-XENOpenSource, FortiWeb-XENServer	6.3

Resolved Issues

The following issues have been fixed in FortiAnalyzer version 7.0.6. To inquire about a particular bug, please contact [Customer Service & Support](#).

Log View

Bug ID	Description
858682	The data icon under the <i>Log View</i> for ADOM FortiMail/FortiWeb do not properly display the log details.

Others

Bug ID	Description
839191	The HA config-sync status issue creates the sync failure frequently.
845871	FortiAnalyzer stopped accepting logs and status of the devices turned into red.

Common Vulnerabilities and Exposures

Visit <https://fortiguard.com/psirt> for more information.

Bug ID	CVE references
872712	FortiAnalyzer 7.0.6 is no longer vulnerable to the following CVE-Reference: <ul style="list-style-type: none">• CVE-2023-22642

Known Issues

The following issues have been identified in FortiAnalyzer version 7.0.6. To inquire about a particular bug or to report a bug, please contact [Fortinet Customer Service & Support](#).

Device Manager

Bug ID	Description
728715	FortiAnalyzer displays red logging status for VDOMs with low traffic rate.
814008	Sort function for logs and average log rate (logs/sec) does not work in <i>Device Manager</i> .
824296	FortiAnalyzer does not show the "root VDOM" under its device manager.
830376	FortiAnalyzer does not display the right firmware running on its managed devices.
833448	The device SYSLOG-00000000 appears repeatedly even after being removed from the unregistered devices.

FortiSOC

Bug ID	Description
717841	IOC events and FortiGate Event Handler events are not being sent to FortiGate from FortiAnalyzer.
775589	FortiAnalyzer does not provide any details on status of Fabric Connectors.
848284	Despite having relevant event logs, created playbook does not get triggered.
849070	Playbook runs successfully on the FortiAnalyzer, but there is not any stitches triggered on the FortiGate.

FortiView

Bug ID	Description
744791	"Failed Authentication Attempts" logs under the <i>System</i> tab of <i>FortiView</i> are blanks.
768270	<i>Secure SD-WAN Monitor</i> shows 'No Data' if only HA member has the SD-WAN logs.

Big ID	Description
841717	The Data displayed on <i>FortiView</i> is inconsistent with the exported "Top Website Domains" PDF report.

Log View

Bug ID	Description
691552	FortiAnalyzer may be missing a double quote in direction log field.
704206	When filtering with "Action" and "Source IP" under <i>Traffic</i> menu, the filter output may be incorrect with the combination of smart action with any other field.
761972	<i>Log View</i> with device name filter may not work.
763852	If a user uses "Filter Mode" and types "=", FortiAnalyzer returns the equal character, "=", twice.
771086	FortiAnalyzer displays Invalid log file format error message when importing log backup to FortiAnalyzer.
785559	Filtering messages using the smart action field might not display the proper results.
800675	Read-Only profile for <i>Log View</i> , cannot search logs because filters are not working for 'empty' value search in drill-down page.
837554	The Fabric log contains "::ffff:" prefix in front of the value of any IPv4 related fields.
855783	FortiAnalyzer event log file cannot be downloaded in "CSV" format.

Others

Bug ID	Description
827787	The CPU and Disk I/O usage of the FortiAnalyzer appear to be constantly high.
838182	Logs are not being inserted into the secondary FortiAnalyzer.
841622	FortiAnalyzer does not download the IOC DB updates when FortiManager acts as the local FortiGuard Server.
860113	The primary FortiAnalyzer can show the logs in <i>Log View</i> . The synchronization between primary and secondary fails and the secondary doesn't show the last logs.
919088	GUI may not work properly in Google Chrome and Microsoft Edge version 114.

Reports

Bug ID	Description
704187	"Bandwidth and Application" Report's data does not match with the <i>Top Application</i> data on <i>FortiView</i> .
722233	The generated report does not display data, but its dataset query contains data.
837826	The event logs does not create any event logs whenever reports are being generated via "run report".
844563	Hodex Time shown on table chart does not match with the configured time period for the previous XX days in report.

System Settings

Bug ID	Description
748107	Additional timestamp, tz field, is being added to forwarded logs from FortiAnalyzer.
758040	FortiAnalyzer may be unable to establish Log Forward session with remote server using encrypted forwarding.
782431	SNMPv3 stopped working after upgrading.
814471	Despite having a proper license, new ADOMs cannot be created and error message "maximum number of ADOMs has been reached." is displayed.
849824	Under the Event's System logs, Adding Filter "Fortiguard web filter services are NOT reachable" does not display any logs.
853855	The log forwarding filter does not seem to work properly as expected on FortiAnalyzer.
882195	If HA attribute "hb-interface" is empty, upgrading directly from 7.0.5 or 7.0.6 to 7.2.2 may unset the HA configuration. Workaround: Ensure the "hb-interface" has been set prior to upgrading.

Appendix A - Default and maximum number of ADOMs supported

This section identifies the supported number of ADOMs for FortiAnalyzer hardware models and virtual machines.

See also the [FortiAnalyzer Data Sheet](#).

Hardware models



For ADOM subscription licenses, FortiAnalyzer enforces the ADOM limits.

For hardware models that do not support the ADOM subscription license, ADOM limits are recommended, but not enforced.

FortiAnalyzer supports a default number of ADOMs based on hardware model.

Some hardware models support an ADOM subscription license. When you purchase an ADOM subscription license, you increase the number of supported ADOMs. For example, you can purchase an ADOM subscription license for the FAZ-3000G series, which allows you to use up to a maximum of 1200 ADOMs.

Other hardware models do not support the ADOM subscription license. For hardware models that do not support the ADOM subscription license, the default and maximum number of ADOMs is the same.

FortiAnalyzer Platform	Default number of ADOMs	ADOM license support?	Maximum number of ADOMs
Desktop models	1		1
150G Series	3		3
300F/300G and 400E Series	25		25
800F/800G and 1000F Series	50		50
2000E Series	250		250
3000F Series	500		500
3000G Series	500	✓	1200
3500F/3500G	500		500
3700F Series	1200		1200
3700G Series	1200	✓	10,000

Virtual Machines



For subscription licenses, FortiAnalyzer enforces the ADOM limits.
For perpetual licenses, ADOM limits are recommended, but not enforced.

FortiAnalyzer subscription license

Five (5) ADOMs are included with FortiAnalyzer VM subscription licenses. Additional ADOMs can be purchased with an ADOM subscription license.

FortiAnalyzer perpetual license

Recommended maximum number of ADOMs supported:

FortiAnalyzer Platform	Default number of ADOMs
1 GB/Day < License <= 5 GB/Day	10
5 GB/Day < License <= 25 GB/Day	25
25 GB/Day < License <= 100 GB/Day	50
100 GB/Day < License <= 500 GB/Day	250
500 GB/Day < License <= 1000 GB/Day	500
1000 GB/Day < License <= 5000 GB/Day	800
License > 5000 GB/Day	1200



FortiAnalyzer VM subscription and perpetual licenses are stackable.



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